

# INTERNATIONAL SEARCH REPORT

International Application No  
**PCT/GB2004/004258**

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04Q7/22 H04L12/56 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | US 6 611 516 B1 (PIRKOLA JUHA MATTI ET AL)<br>26 August 2003 (2003-08-26)<br>column 3, line 30 - column 4, line 32<br>column 7, line 9 - line 33<br>column 8, line 11 - line 28<br>column 9, line 32 - column 10, line 20<br>column 11, line 49 - column 16, line 24<br>column 23, line 13 - column 27, line 54<br>----- | 1,5,6,10              |
| A          | US 6 370 390 B1 (SALIN HANNU-PEKKA ET AL)<br>9 April 2002 (2002-04-09)<br>column 2, line 53 - column 10, line 55;<br>figure 1<br>-----   | 1,5,6,10              |
| A          | US 2002/103929 A1 (MOLNAR VALERIA)<br>1 August 2002 (2002-08-01)<br>the whole document<br>-----  | 1,5,6,10              |
|            | -/--   |                       |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

10 June 2005

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT |  |                       |
|--|--|-----------------------|
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
| A  | WO 02/054800 A (BMD WIRELESS AG; RUEEGER, BRIAN, P; WOOG, MARC, A)<br>11 July 2002 (2002-07-11)<br>page 3, line 1 - line 19<br>page 4, line 15 - page 6, line 3<br>page 9, line 32 - page 11, line 22<br>page 13, line 17 - page 15, line 5<br>----- | 1,5,6,10              |

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| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s)   | Publication<br>date  |
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| US 6611516                                | B1 | 26-08-2003          | AU 5096800 A<br>EP 1190583 A1<br>WO 0079813 A1   | 09-01-2001<br>27-03-2002<br>28-12-2000   |
| US 6370390                                | B1 | 09-04-2002          | FI 971381 A<br>AT 287184 T<br>AU 6733498 A<br>CA 2257189 A1<br>CN 1106127 C<br>DE 69828581 D1<br>EP 0937365 A2<br>WO 9844640 A2<br>JP 2000511754 T<br>ZA 9802684 A | 04-10-1998<br>15-01-2005<br>22-10-1998<br>08-10-1998<br>16-04-2003<br>17-02-2005<br>25-08-1999<br>08-10-1998<br>05-09-2000<br>05-10-1998 |
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| WO 02054800                               | A  | 11-07-2002          | WO 02054800 A2<br>WO 02054801 A1<br>IT MI20011911 A1<br>US 2004053629 A1<br>US 2003018806 A1   | 11-07-2002<br>11-07-2002<br>08-07-2002<br>18-03-2004<br>23-01-2003   |